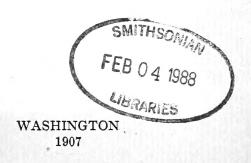




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Banister's Catalogue of Dirginia Plants



HITCHCOCK AND CHASE LIBRARY Smithsonian Institution In Memory of John Banister Pioneer of Virginia Botany OK 191 TSS 1907 Botany Hitchcock -Chase





## PREFACE

The object of this little volume is to bring within reach of those who have not access to the earlier works on our flora, the most important facts relating to the botany of Maryland and Virginia. This is perhaps best accomplished by the reprinting of old records, as the reader will thus obtain an objective view of the works of the

pioneers.

Jacques Philippe Cornut's Historia Plantarum Canadensium, published in Paris, 1635, is undoubtedly one of the earliest records of North American plants. This work contains descriptions and illustrations of many species the geographical ranges of which include not only New France but also New England and the territory southward to Virginia and the Carolinas. Of the numerous species described whose identity has been established beyond any possible doubt, we may cite Filix baccifera (F. bulbifera), found occasionally in our region, and Adiantum americanum (A. pedatum) one of our characteristic ferns of low, deciduous woods.

In 1640, Parkinson published his Theatrum Botanicum wherein he records many plants from Virginia. We may cite again Adiantum pedatum under the name of Adianthum fruticosum americanum. The weird, but beautiful Juniperus virginiana, the characteristic ornament of the lower Potomac region and elsewhere, is

mentioned by Parkinson.

In 1686, Ray began the publishing of his *Historia Plantarum* [vol. 1, 1686; 2, 1688; 3, 1704], in which numerous species from Maryland and Virginia are described. Banister's Catalogue of Virginian Plants was published here. This document is of special interest since it is without much doubt the earliest record, dealing exclusively with Virginian plants. Many of the species are recognized at once by any one familiar with the plants of our region, and in the notes to follow the reprint of *Banister's Catalogue* attempts will be made to determine the species and give their history as fully as possible.

The works of Morison, Hermann, Plukenet, Bobart and others will be referred to in the account of the spe-

cies.

The task of identifying an old species from the descriptions only is a difficult one, for itrequires a careful study of the prominent authors of the period in which a species was published. The method of description of two centuries ago presupposes also an intimate knowledge of the older masters and their terminology. This is readily seen if we examine Banister's second species: [Alsine Spergula latifolia reptans] Becabungae folio. The expression serves both as a name and as a description, wherein a knowledge of another plant, Veronica beccabunga, is prerequisite.

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(From RAY, HIST. PLANT. 2: 1926-1928. 1688.)

E Catalogo huc transmisso Anno 1680. quem composuit eruditissimus Vir & consummatissimus Botanicus D. Johannes Banister Plantarum a seipso in Virginia observatarum.

## A

Alsine Spergula latifolia reptans.

Becabungae folio.

- Althaea lutea Pimpinellae majoris folio, floribus parvis, seminibus rostratis. Folia hujus plantae pediculis insident.
- Althaea magna Aceris folio, cortice Cannabino, floribus parvis semina rotatim in summitate caulium, singula singulis cuticulis rostratis cooperta ferens.
- Althaea magna quinquecapsularis, cortice Cannabino, foliis integris subtus albicantibus, floribus magnis ex fundo saturate rubro albis.
- Alth. magna quinquecapsularis, cortice Cannabino, foliis Malvarum modo divisis, subtus viridibus.

Ambrosia inodora foliis non divisis.

gigantea inodora foliis asper is trifidis.

Anchusa lutea minor, quam Indi Paccoon vocant seipsos ea pingentes.

Anemone latifolia sylvestris alba.

Apocynum erectum non ramosum folio subrotundo, umbellis florum rubris.

Apoc. erect. non ramos. latiore folio, umbellis florum albicantibus.

Apoc. erect. minus, umbella florum can dida.

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Apoc. erect. non ram. Asclepiadis folio, umbellis florum rubentibus.

Apoc. minus non lactescens, caule & foliis hirsutis, floribus saturate luteis.

Apoc. erect. non ram. Roris marini foliis umbellis florum candidis.

Apoc. petraeum ramosum Salicis folio.

Apoc. scandens, capsulis brevibus spinis asperis.

Apoc. scand. capsulis alatis.

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16

Apoc. scand. capsulis planis.

Haec omnia siliquas ferunt tumentes.

Apoc. erect. ramosum, caule rubente, foliis oblongis parvis, siliquis [ex flosculis albis] tenuissimis, binatim ad extremitates conjunctis.

Arisarum triphyllum, pene viridi.

Aris. triph. minus, pene atro-rubente.

Aris. Dracontii foliis pene longo acuminato.

Arum aquaticum, foliis in acumen desinentibus, fructu viridi.

Arum fluitans, pene nudo.

## C

Carduus Jaceoides purp. foliis subtus incanis, capite viscoso.

Caryophyllata flore semper albo.

Castanea pumila racemoso fructu parvo, in singulis capsulis echinatis unico, The Chinquapin. Autor descriptionis Carolinae ex hac nuce Chocolatam fieri refert non multo inferiorem ei quae ex Cacao fit. Centaurium minus caule quadrato alato, flore carneo amplo, umbilico luteo.

Centaurium luteum Ascyroides.

Clematis purpurea repens petalis florum coriaceis.

Clem. erecta, humilis non ramosa, foliis subrotundis, flore unico ochroleuco.

Cochlearia flore majori. In locis udis a salsis procul remotis.

Conyza coerulea acris Americana.

Cucumis fructu minimo viridi, ad maturitatem perducto nigricante. Fructus Bryoniae albae bacca non multo major est, cujus primo aspectu speciem esse putaveram.

D

Dens caninus flore luteo.

Digitalis flore pallido transparenti, foliis & caule molli hirsutie imbutis.

Digit. rubra minor, labiis florum patulis, foliis parvis angustis.

Digit. lutea elatior Jaceae nigrae foliis. lutea altera, foliis tenuius dissectis thecis florum foliaceis.

parva comis coccineis.

E

Eryngium campestre Yuccae foliis, spinis tenellis hinc inde marginibus appositis.

Euonymus capsulis eleganter bullatis.

F

Filix mas foliis integris auriculatis.
mas rachi seu nervo medio alato.

: Sabbatin difformus L. 3 chematis viorno h. 4 Cumates achagiere 5 Page Markey Con garden 6 Empotorium overaleum Welothin pendula h & hugheronium dens comes L. 9 Pentatornon husuitus 10 Gerardin purpursa 11 Dangstown feron IV kirchard prairied area 15 reginguira aguaturum. 15 Cilatina bullation 16 Pointlichum anostichoides 17 Physpteris heragonolitica





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16 Projection publicano 16 Projection publicano 10 Projection renouse [Filix] foemina foliis per margines pulverulentis, seminibus fimbriatis.

Fumaria siliquosa lutea.

Siliquosa altera grumosa radice, floribus gemellis ad labia conjunctis.

Fungus (ex stercore equino) capillaceus capitulo rorido, nigro punctulo in summitate notato. Ex recenti fimo noctu exoritur cauliculis erectis, vix digitum longis capillorum instar tenuibus nec minus densis seu confertis. Singuli Cauliculi parvulo globulo aqueo coronantur, qui in summa sui parte macula parva nigra Limacis oculo simili insignitur.

## G

Gentianae affinis foliis glabris serratis, floribus Ranae referentibus.

Gladiolus coeruleus hexapetalos, caule etiam gladiato.

Gratiola foliis latioribus serratis.

8

## H

Hedera trifolia Canadensis foliis sinuatis.

Helleborine flore rotundo luteo, purpureis venis striato. The Mockasine flower.

Helxine late scandens seminibus majoribus.

Helxine frutescens Bryoniae nigrae foliis, capsulis triquetris amplis Pergamenis.

Hieracium fruticosum latifolium foliis punctulis & venis sanguineis notatis.

Hyacinthus Occidentalis flore pallide coeruleo.

- Hypericum parvum caule quadrato seu Ascyron minimum.
- Hyper. pumilum semper virens caule compresso ligneo; ad bina latera alato, flore luteo tetrapetalo, seu Crux S. Andreae.
- Hyper. frutescens luteum Phillyrrheae foliis.

## T

- Jacea non ramosa tuberosa radice, foliis plurimis rigidis perangustis, flores ferens multos parvos rubentes acaules in spica ad caulem sessiles.
- Jac. non ram. tub. rad. foliis latioribus flores ferens pauciores, majores, squamis hiantibus armatos & pediculis curtis insidentes.
- Jacobaea lanata foliis brevibus subrotundis, lanata altera foliis longis angustis.
- Jasminum arboreum foliis amplis, oblongis, superne virentibus, subtus leni canitie pubescentibus, flores albos in quatuor lacinias longas angustas ad umbilicum usque partitos racematim ferens.

Iris aculeata baccifera arborea minus ferax.

Iris coerulea latifolia & angustifolia.

Chamae-Iris verna odoratissima, latifolia coerulea repens.

## L

- Pseudo-Lathyrus luteus glaber, siliquis tumentibus, duplicem seminum seriem continentibus.
- Pseudo-Lath. lut. hirsutus siliq. tument. continentibus duplicem seriem seminum.
- Laurus Tinus floribus albidis eleganter bullatis.

4 Laciniaria eparte 6 Lenecio tomentosus 7 Chionauthus vivgimen 9 dris versicolor - I. prismatrie Baptisco Linctora 13 Habrein Latifolia F.

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Flos nondum apertus pyxidi S.M. Magdalenae (ut nonnunquam pictam vidi) similis est.

Lilio-narcissus humilis albus.

Lilium S. Martagon floribus reflexis ex luteo rubentibus, purpureis maculis eleganter notatis.

- Lilium S. Martagon pusillum florib. minutissimis herbaceis. Caulem habet vix dodrantalem, verticillo foliorum unico cinctum, cujus summitas quatuor floribus reflexis Solani lignosi floribus magnitudine haud aequalibus, pediculis parvis insidentibus coronantur.
- Lilium Squillae foliis, denticellis parvis ad margines serratis. Caule est alto, nudo, ad cujus summitatem prodeunt flores in spica sessiles, petalis paene ad imum (ut loqui amant feciales) quasi erasis; staminibus sex (si non male memini) purpuro-coeruleis, mole sua aliquantulum depressis. Flos quamvis aspectu non admodum pulcher sit pergratum habet odorem. Radicem habet imbricatam instar Lilii, folia crassa admodun & succulenta, non tamen Sempervivi species est.
- Lonchitis maxima foliis planis i. e. non dentatis, nec pulverulentis maculis notatis, uno in cespite foliorum unicum protrudens caulem foliis angustioribus, pulverem seu semina in membranulis quasi in capsulis ferentibus compositum.
- Lonchitis major Polypodii facie. Haec atque etiam vulgaris simili modo florida est.
- Lychnis plum aria alba, foliis ad geniculum quatuor cruciatim positis, thecis florum tumentibus.

Lysimachia lutea minor, foliis & floribus purpureo punctatis.

Lysimachia siliquosa lutea minor.

## Μ

- Melissa elatior foliis magnis dentatis glabris, ad geniculum binis: flores odorato s luteos patulos stamina bina quasi cornua protrudenti[a] in summitate caulium racematim ferens.
- Mercurialis tricoccos hermaphroditica, s. ad foliorum juncturas ex foliolis cristatis julifera simul ac fructum ferens.
- Muscus erectus dense complicatus Cupressi foliis major & minor. In rupe quadam prope Sabinas foliis Cupressi.
- Myrrhis minor procumbens, seu potius Cerefolium.

## N

Nux vesicaria Virginiana Park.

## О

- Orchis palmata elegans lutea cum longis calcaribus luteis, palmata lutea minor nullis calcaribus. Hermaphroditica, flore minore, calcare longiore.
- Origanum floribus amplis luteis, purpureo maculatis, cujus caulis sub quovis verticillo decem vel duodecimo foliis est circumcinctus.
- Orig. cujus ramorum summitates floribus dilute rubris in verticillos congestis coronantur.
- Orig. foliis ad summitatem caulium canis, floribus multis pallide coeruleis in cymis ramorum dense stipatis.

3 Collinsonia sanskeners. 4. Acalypho virginia . 5 Lysopedium 6 Charrophyllum procumbers 7 Tradingles tripolists 8. Crohis cileares L. Occuration willing often 10 Cherry moralisma incarren

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Ornithogalum luteum parvum foliis gramineis hirsutis.

Orobanche radice dentata caule & flore albo.

Flos ejus quem unicum in uno caule Goodyeri Orobanches similis est sed major. Conceptaculi seminalis venter seu pars protuberans non rotunda est canaliculata.

## P

Pepo fructu parvo compresso.

Phalangium ramosum floribus albis, ad fundum viridibus.

Phalangium album non ramosum floribus albis ad caulem spicatim sessilibus.

Phyllitis parva saxatilis per summitates folii prolifera.

Pisum spontaneum purpureum.

Plantago aquatica latiore folio.

Polygala seu Flos ambarvalis floribus luteis in caput oblongum congestis.

Polyg. rubra spica parva compacta.

Polygala spicata rubra major foliis & caulibus coerulescentibus.

Pol. quadrifolia S. cruciata floribus ex viridi rubentibus, in globum compactis.

Pol. quadrif. minor spica parva rubente.

Polygonatum ramosum capsula prismatica, ramosum perfoliatum flore ochroleuco capsula trigona.

Polypodium parvum foliis minutim serratis.

Polypodium minus alterum Scolopendriae facie.

## Potamogiton Virginianum.

Ω

Quercus variae species, 1. Pumila. 2. Alba. 3. Rubra. 4. Hispanica. 5. Castaneae folio. 6. Lini aut Salicis foliis. 7. Fruticosa. Harum primam in Historia, quintam in Appendice meminimus.

## R

Ranunculus Thalictri folio, radice grumosa; Annemone sylv.

Rapuntum minimum glabrum. In uliginosis minus glabrum flore pallidiore.

Rhamnus Prunifolius fructu nigro, ossiculo compresso. The black Haw.

Rhus ramis ex stipite pullulantibus glabris. Hujus truncus carpi crassitiem nunquam superat, pollicis raro excedit. Baccae sapore sunt subsalso cum pungenti illo acore qui in Tamarindis sentitur mixto.

Rubia parva foliolis ad geniculum unumquodque binis, flore coeruleo fistuloso.

Rub. parva latifolia foliis ad genic. binis, flore rubente.

## S

Sanicula seu Auricula ursi Cyclamini flore.

Saxifraga petraea Alsinefolia.

Sedum saxatile parvum, caule gracili aphyllo, floribus rubentibus.

Səlanum verticillatum latifolium molle, floribus obsolete rubris, baccis luteis.

Paleate, primer, phellos, princides. r syndeamon Thate droities Viburum prunifolium : Houstoner correction h 1, 26 " purpurum

2 William Krobike X. 3 Taller an Einanneaum and the same of a state of the mire are institution Mireria divarication. i er en kalimikolia

Sol. verticill. angustiore folio, flore ochroleuco.

Sol. triphyllum flo. tripetalo, atro-purpureo, in foliorum sinu absque pediculo sessili.

Staphis agria fol. dilute viridibus.

Stramonium fundo floris coeruleo, pomis longioribus spinis armatis.

Ί

Trichomanes major foliis longis auriculatis.

U

Valeriana Graeca seu Valeriana coerulea minor.

Veronica pratensis Serpyllifolia.

Viola tricolor nudo caule, foliis tenuius dissectis.

Viola alabastrites pentaphyllea, Cochleariae sapore, Nasturtii species.

Urtica urena major seminibus rotundis, compressis loculamentis viridibus inclusis & in caulis summitate racematim dispositis.

Inter semina ad me e Virginia transmissa, *Anno* 1687. ab eodem *D. Banister*, nonnulla invenio quorum nomina *in hoc* Catalogo non habentur, v. g.

Erigeron (frutex marit.) Halimi folio: Senecio arborescens Atriplicis folio.

Eryngium Plinii Portulacae foliis a D. Spragge acceptum.

Euonymus (ni male memini) Pyracanthae foliis.

Lysimachia lutea corniculata maritima.

Cynoglossum coeruleum Buglossi foliis.

Senae spuriae tres species quarum una siliquis est hirsutis a D. *Spragge* acceptae. Duae a me satae germinarunt & plantae produxerunt, quae duae species Paiomiriobae a Pisone descriptae esse videbantur.

Pistacia nigra Coryli folio D. Spragge.

Ulmus fructu Lupulino.

Ricinus parvus Urticae folio.

Convolvulus bicapsularis seminibus pappo alatis.

Phalangium spicatum flosculo Arbuteo bullato aureo.

Lithospermum floribus rostratis.

Ricinus frutescens Fici foliis.

Gramen marinum echinatum. Hujus semina etiam a D. *Spragge* accepi, quae hac aestate in horto sata germinarunt, sed nondum ad frugem pervenerunt. 9K 191 755 1907 Bothic

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Chamae-Iris verna odoratissima, latifolia coerulea repens.

## L

- Pseudo-Lathyrus luteus glaber, siliquis tumentibus, duplicem seminum seriem continentibus.
- Pseudo-Lath. lut. hirsutus siliq. tument. continentibus duplicem seriem seminum.
- Laurus Tinus floribus albidis eleganter bullatis.

Flos nondum apertus pyxidi S.M. Magdalenae (ut nonnunquam pictam vidi) similis est.

Lilio-narcissus humilis albus.

Lilium S. Martagon floribus reflexis ex luteo rubentibus, purpureis maculis eleganter notatis.

- Lilium S. Martagon pusillum florib. minutissimis herbaceis. Caulem habet vix dodrantalem, verticillo foliorum unico cinctum, cujus summitas quatuor floribus reflexis Solani lignosi floribus magnitudine haud aequalibus, pediculis parvis insidentibus coronantur.
- Lilium Squillae foliis, denticellis parvis ad margines serratis. Caule est alto, nudo, ad cujus summitatem prodeunt flores in spica sessiles, petalis paene ad imum (ut loqui amant feciales) quasi erasis; staminibus sex (si non male memini) purpuro-coeruleis, mole sua aliquantulum depressis. Flos quamvis aspectu non admodum pulcher sit pergratum habet odorem. Radicem habet imbricatam instar Lilii, folia crassa admodun & succulenta, non tamen Sempervivi species est.
- Lonchitis maxima foliis planis i. e. non dentatis, nec pulverulentis maculis notatis, uno in cespite foliorum unicum protrudens caulem foliis angustioribus, pulverem seu semina in membranulis quasi in capsulis ferentibus compositum.
- Lonchitis major Polypodii facie. Haec atque etiam vulgaris simili modo florida est.
- Lychnis plum aria alba, foliis ad geniculum quatuor cruciatim positis, thecis florum tumentibus.

Lysimachia lutea minor, foliis & floribus purpureo punctatis.

Lysimachia siliquosa lutea minor.

# M

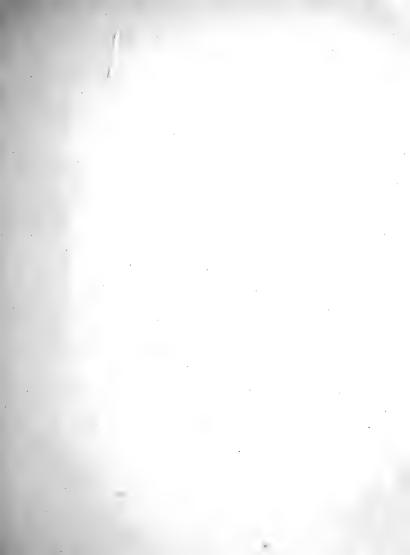
- Melissa elatior foliis magnis dentatis glabris, ad geniculum binis: flores odorato s luteos patulos stamina bina quasi cornua protrudenti[a] in summitate caulium racematim ferens.
- Mercurialis tricoccos hermaphroditica, s. ad foliorum juncturas ex foliolis cristatis julifera simul ac fructum ferens.
- Muscus erectus dense complicatus Cupressi foliis major & minor. In rupe quadam prope Sabinas foliis Cupressi.
- Myrrhis minor procumbens, seu potius Cerefolium.

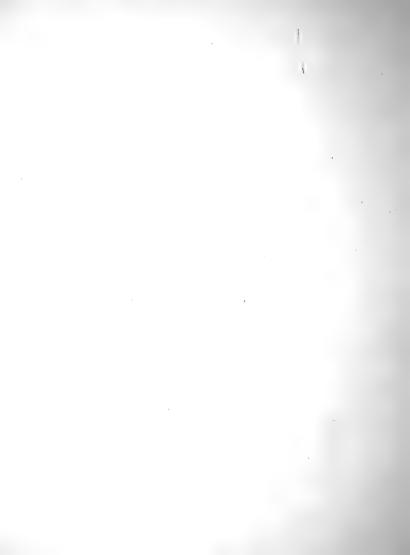
## N

Nux vesicaria Virginiana Park.

## O

- Orchis palmata elegans lutea cum longis calcaribus luteis, palmata lutea minor nullis calcaribus. Hermaphroditica, flore minore, calcare longiore.
- Origanum floribus amplis luteis, purpureo maculatis, cujus caulis sub quovis verticillo decem vel duodecimo foliis est circumcinctus.
- Orig. cujus ramorum summitates floribus dilute rubris in verticillos congestis coronantur.
- Orig. foliis ad summitatem caulium canis, floribus multis pallide coeruleis in cymis ramorum dense stipatis.







I ringala lutea d. + Pain in minista L Ornithogalum luteum parvum foliis gramineis hirsutis.

Orobanche radice dentata caule & flore albo.

Flos ejus quem unicum in uno caule Goodyeri Orobanches similis est sed major. Conceptaculi seminalis venter seu pars protuberans non rotunda est canaliculata.

P

Pepo fructu parvo compresso.

Phalangium ramosum floribus albis, ad fundum viridibus.

Phalangium album non ramosum floribus albis ad caulem spicatim sessilibus.

Phyllitis parva saxatilis per summitates folii prolifera.

Pisum spontaneum purpureum.

Plantago aquatica latiore folio.

- / Polygala seu Flos ambarvalis floribus luteis in caput oblongum congestis.
- 2 Polyg. rubra spica parva compacta.
- Polygala spicata rubra major foliis & caulibus coerulescentibus.
- Pol. quadrifolia S. cruciata <u>floribus</u> ex viridi rubentibus, in globum compactis.
- Pol. quadrif. minor spica parva rubente.
  - Polygonatum ramosum capsula prismatica, ramosum perfoliatum flore ochroleuco capsula trigona.

Polypodium parvum foliis minutim serratis.

Polypodium minus alterum Scolopendriae facie.

# Potamogiton Virginianum.

Q

Quercus variae species, 1. Pumila. 2. Alba. 3. Rubra. 4. Hispanica. 5. Castaneae folio. 6. Lini aut Salicis foliis. 7. Fruticosa. Harum primam in Historia, quintam in Appendice meminimus.

## R

Ranunculus Thalictri folio, radice grumosa; Annemone svlv.

Rapuntum minimum glabrum. In uliginosis minus glabrum flore pallidiore.

Rhamnus Prunifolius fructu nigro, ossiculo compresso. The black Haw.

Rhus ramis ex stipite pullulantibus glabris. Hujus truncus carpi crassitiem nunquam superat, pollicis raro excedit. Baccae sapore sunt subsalso cum pungenti illo acore qui in Tamarindis sentitur mixto.

Rubia parva foliolis ad geniculum unumquodque binis, flore coeruleo fistuloso.

Rub. parva latifolia foliis ad genic. binis, flore rubente.

## 5

Sanicula seu Auricula ursi Cyclamini flore.

Saxifraga petraea Alsinefolia.

Sedum saxatile parvum, caule gracili aphyllo, floribus rubentibus.

Solanum verticillatum latifolium molle, floribus obsolete rubris, baccis luteis.

Sol. verticill. angustiore folio, flore ochroleuco.

Sol. triphyllum flo. tripetalo, atro-purpureo, in foliorum sinu absque pediculo sessili.

Staphis agria fol. dilute viridibus.

Stramonium fundo floris coeruleo, pomis longioribus spinis armatis.

П

Trichomanes major foliis longis auriculatis.

U

Valeriana Graeca seu Valeriana coerulea minor.

Veronica pratensis Serpyllifolia.

Viola tricolor nudo caule, foliis tenuius dissectis.

Viola alabastrites pentaphyllea, Cochleariae sapore, Nasturtii species.

Urtica urena major seminibus rotundis, compressis loculamentis viridibus inclusis & in caulis summitate racematim dispositis.

Inter semina ad me e Virginia transmissa, Anno 1687. ab eodem D. Banister, nonnulla invenio quorum nomina in hoc Catalogo non habentur, v. g.

Erigeron (frutex marit.) Halimi folio: Senecio arborescens Atriplicis folio.

Eryngium Plinii Portulacae foliis a D. Spragge acceptum.

Euonymus (ni male memini) Pyracanthae foliis.

Lysimachia lutea corniculata maritima.

Cynoglossum coeruleum Buglossi foliis.

Senae spuriae tres species quarum una siliquis est hirsutis a D. *Spragge* acceptae. Duae a me satae germinarunt & plantae produxerunt, quae duae species Paiomiriobae a Pisone descriptae esse, videbantur.

Pistacia nigra Coryli folio D. Spragge.

Ulmus fructu Lupulino.

Ricinus parvus Urticae folio.

Convolvulus bicapsularis seminibus pappo alatis,

Phalangium spicatum flosculo Arbuteo bullato aureo.

Lithospermum floribus rostratis.

Ricinus frutescens Fici foliis.

Gramen marinum echinatum. Hujus semina etiam a D. *Spragge* accepi, quae hac aestate in horto sata germinarunt, sed nondum ad frugem pervenerunt.



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